

**UNITED STATES BANKRUPTCY COURT
NORTHERN DISTRICT OF CALIFORNIA
SAN FRANCISCO DIVISION**

In re:
PG&E CORPORATION,
- and -
PACIFIC GAS AND ELECTRIC
COMPANY,
Debtors.

Bankruptcy Case
No. 19-30088 (DM)

Chapter 11
(Lead Case)
(Jointly Administered)

CERTIFICATE OF SERVICE

I, Victor Wong, do declare and state as follows:

1. I am employed at Prime Clerk LLC (“***Prime Clerk***”), the claims and noticing agent for the debtors in the above-referenced chapter 11 bankruptcy cases.

2. On May 19, 2021, at my direction and under my supervision, employees of Prime Clerk caused the following documents to be served by the method set forth on the Master Service List attached hereto as **Exhibit A**:

- Reorganized Debtors’ Fourth Securities Claims Omnibus Objection (Securities Acquired Outside Subject Period) [Docket No. 10662] (the “***Fourth Securities Omnibus Objection***”)
- Declaration of Edward J. Radetich, Jr. in Support of Reorganized Debtors’ Fourth Securities Claims Omnibus Objection (Securities Acquired Outside Subject Period) [Docket No. 10663] (the “***Radetich Declaration in Support of Fourth Securities Omnibus Objection***”)
- Notice of Hearing on Reorganized Debtors’ Fourth Securities Claims Omnibus Objection (Securities Acquired Outside Subject Period) [Docket No. 10664] (the “***Fourth Securities Omnibus Objection Hearing Notice***”)
- Reorganized Debtors’ Fifth Securities Claims Omnibus Objection (No Loss Causation – Securities Sold Prior to the First Purported “Corrective Disclosure”) [Docket No. 10665] (the “***Fifth Securities Omnibus Objection***”)

- Declaration of Edward J. Radetich, Jr. in Support of Reorganized Debtors' Fifth Securities Claims Omnibus Objection (No Loss Causation – Securities Sold Prior to the First Purported "Corrective Disclosure") [Docket No. 10666] (the "***Radetich Declaration in Support of Fifth Securities Omnibus Objection***")
- Notice of Hearing on Reorganized Debtors' Fifth Securities Claims Omnibus Objection (No Loss Causation – Securities Sold Prior to the First Purported "Corrective Disclosure") [Docket No. 10667] (the "***Fifth Securities Omnibus Objection Hearing Notice***")
- Reorganized Debtors' Reply in Further Support of First Securities Claims Omnibus Objection (No Loss Causation – Securities Sold Prior to the First Purported "Corrective Disclosure") [Docket No. 10668] (the "***Debtors' First Securities Omnibus Objection Reply***")

3. On May 19, 2021, at my direction and under my supervision, employees of Prime Clerk caused the Fourth Securities Omnibus Objection, Radetich Declaration in Support of Fourth Securities Omnibus Objection, and the Fourth Securities Omnibus Objection Hearing Notice to be served by the method set forth on the Fourth Securities Objection Service List attached hereto as **Exhibit B**.

4. On May 19, 2021, at my direction and under my supervision, employees of Prime Clerk caused the Fifth Securities Omnibus Objection, Radetich Declaration in Support of Fifth Securities Omnibus Objection, and the Fifth Securities Omnibus Objection Hearing Notice to be served by the method set forth on the Fifth Securities Objection Service List attached hereto as **Exhibit C**:

5. On May 19, 2021, at my direction and under my supervision, employees of Prime Clerk caused the Debtors' First Securities Omnibus Objection Reply to be served by the method set forth on the First Securities Objection Service List attached hereto as **Exhibit D**.

6. I have reviewed the Notices of Electronic Filing for the above-listed documents, and I understand that parties listed in each NEF as having received notice through electronic mail were electronically served with that document through the Court's Electronic Case Filing system.

7. I declare under penalty of perjury under the laws of the United States of America, that the foregoing is true and correct and that if called upon as a witness, I could and would competently testify thereto.

1 Executed this 24th day of May 2021, at New York, NY.

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3 */s/ Victor Wong*
4 Victor Wong
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Exhibit A

Exhibit A
 Master Service List
 Served as set forth below

DESCRIPTION	NAME	ADDRESS	EMAIL	METHOD OF SERVICE
Counsel to ADVENTIST HEALTHSYSTEM/WEST, a California non-profit religious corporation	Adventist Health System/West	ATTN: ROBERT L. LAYTON ONE Adventist Health Way Roseville CA 95661 Attn: YELENA ARCHIYAN 2001 Ross Avenue, Suite 3600 Dallas TX 75201	laytonrl@ah.org	Email
Counsel to TRANSWESTERN PIPELINE COMPANY, LLC	Akerman LLP	Attn: Michael S. Stamer, Ira S. Dizengoff, David H. Botter One Bryant Park New York NY 10036	mstamer@akingump.com idizengoff@akingump.com dbotter@akingump.com	First Class Mail
Counsel to the Ad Hoc Committee of Senior Unsecured Noteholders of Pacific Gas and Electric Company	Akin Gump Strauss Hauer & Feld LLP	Attn: Andrew I. Silfen, Beth M. Brownstein, Jordana L. Renert 1301 Avenue of the Americas 42nd Floor New York NY 10019	Beth.Brownstein@arentfox.com Jordana.Renert@arentfox.com	Email
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Counsel for the City of Santa Cruz	Atchison, Barisone & Condotti	Attn: Alexander Geise PO Box 481 Santa Cruz CA 95061	ageise@abc-law.com	Email
Counsel to California State Agencies	Attorney General of California	Attn: XAVIER BECERRA, DANETTE VALDEZ, and ANNADEL ALMENDRAS 455 Golden Gate Avenue Suite 11000 San Francisco CA 94102-7004	Danette.Valdez@doj.ca.gov	Email

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 Master Service List
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DESCRIPTION	NAME	ADDRESS	EMAIL	METHOD OF SERVICE
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Counsel for Bank of America, N.A.	Bank of America	Attn: John McCusker Mail Code: NY1-100-21-01 One Bryant Park New York NY 10036	John.mccusker@bam.com	Email
Counsel for Creditors Public Entities Impacted by the Wildfires Counsel to Majesti Mai Bagorio, et al., creditors and plaintiffs in Bagorio, et al. v. PG&E Corporation, et al., case number CNC-19-554581	Baron & Budd, P.C.	Attn: Scott Summy, John Fiske 3102 Oak Lawn Avenue #1100 Dallas TX 75219	ssummary@baronbudd.com jfiske@baronbudd.com	Email
		Attn: Ronald L.M. Goldman, Diane Marger Moore 10940 Wilshire Boulevard, 17th Floor Los Angeles CA 90024	rgoldman@baumhedlundlaw.com	Email

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DESCRIPTION	NAME	ADDRESS	EMAIL	METHOD OF SERVICE
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California Public Utilities Commission	California Public Utilities Commission	Attn: Arcles Aguilar, Geoffrey Dryvynsyde, and Candace Morey 505 Van Ness Avenue San Francisco CA 94102	aarcles.aguilar@cpuc.ca.gov candace.morey@cpuc.ca.gov	Email
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Counsel to Western Electricity Coordinating Council	Cohne Kinghorn, P.C.	Attn: George Hofmann 111 East Broadway, 11th Floor Salt Lake City UT 84111	ghofmann@cohnekinghorn.com	Email
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Counsel for Fire Victim Creditors	Corey, Luzaich, De Ghetaldi & Riddle LLP	Attn: Dario de Ghetaldi, Amanda L. Riddle, Steven M. Berki, Sumble Manzoor 700 El Camino Real PO Box 669 Millbrae CA 94030-0669	alr@coreylaw.com smb@coreylaw.com sm@coreylaw.com	Email
Individual Plaintiffs Executive Committee appointed by the California Superior Court in the North Bay Fire Cases, Judicial Council Coordination Proceeding Number 4955, Pursuant to the terms of the Court's Case Management Order No. 1	Cotchett, Pitre & McCarthy, LLP	Attn: Frank M. Pitre, Alison E. Cordova San Francisco Airport Office Center 840 Malcolm Road, Suite 200 Burlingame CA 94010	fpitre@cpmlegal.com	Email
Counsel for Valley Clean Energy Alliance	County of Yolo	Attn: Eric May 625 Court Street Room 201 Woodland CA 95695	eric.may@yolocounty.org	Email
Counsel to Liberty Mutual Insurance Company	Cozen O'Connor	Attn: Joe Ziemianski 101 Montgomery Street Suite 1400 San Francisco CA 94101	JZiemianski@cozen.com	Email

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Counsel for the agent under the Debtors' proposed debtor in possession financing facilities, Counsel for Citibank N.A., as Administrative Agent for the Utility Revolving Credit Facility	Davis Polk & Wardwell LLP	Attn: Eli J. Vonnegut, David Schiff, Timothy Graulich 450 Lexington Avenue New York NY 10017	eli.vonnegut@davispolk.com david.schiff@davispolk.com timothy.graulich@davispolk.com	Email
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Information Agent for the Official Committee of Unsecured Creditors, and the Official Committee of Tort Claimants	Epiq Corporate Restructuring, LLC	Attn: PG&E UCC and PG&E TCC 777 Third Avenue, 12th Floor New York NY 10017	sgarabato@epiqglobal.com	Email
Federal Energy Regulatory Commission	Federal Energy Regulatory Commission	Attn: General Counsel 888 First St NE Washington DC 20426		First Class Mail
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Counsel for Fire Victim Creditors	Gibbs Law Group	Attn: Eric Gibbs, Dylan Hughes 505 14th Street, Suite 1110 Oakland CA 94612	ehg@classlawgroup.com dsh@classlawgroup.com	Email
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Counsel for Nationwide Entities	Grotefeld Hoffmann	Attn: Mark S. Grotefeld, Maura Walsh Ochoa, Waylon J. Pickett 700 Larkspur Landing Circle, Suite 280 Larkspur CA 94939	mgrotefeld@ghlaw-llp.com mocha@ghlaw-llp.com wpickett@ghlaw-llp.com	Email
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Attorneys for HercRentals	Hercrentals	Attn: Sharon Petrosino, Esq. 27500 Riverview Center Blvd. Bonita Springs FL 34134	Sharon.petrosino@hercrentals.com	Email
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Counsel for DTE Stockton, LLC, Mt. Poso Cogeneration Company, LLC f/k/a Mt. Poso Cogeneration Company, L.P., Potrero Hills Energy Producers, LLC, Sunshine Gas Producers, LLC, Woodland Biomass Power, LLC f/k/a Woodland Biomass Power, Ltd.	Hunton Andrews Kurth LLP	Attn: Kevin M. Eckhardt 50 California Street Suite 1700 San Francisco CA 94111		First Class Mail
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Counsel for Calpine Corporation	Kirkland & Ellis LLP	Attn: Mark McKane, P.C., Michael P. Esser 555 California Street San Francisco CA 94104	mark.mckane@kirkland.com	Email

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 Master Service List
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DESCRIPTION	NAME	ADDRESS	EMAIL	METHOD OF SERVICE
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Counsel to Davey Tree Expert Company, Davey Tree Surgery Company, and Davey Resource Group, Inc.	McDermott Will & Emery LLP	Attn: Jeffrey M. Reisner 2049 Century Park East, Suite 3200 Los Angeles CA 90067-3206		First Class Mail
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DESCRIPTION	NAME	ADDRESS	EMAIL	METHOD OF SERVICE
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Office of the United States Attorney for the Northern District of California	Office of The United States Attorney For The Northern District of California	Attn: James L. Snyder, Esq. & Timothy Lafreddi, Esq., Marta E. Villacorta 450 Golden Gate Ave Suite 05-0153 San Francisco CA 94102		First Class Mail
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Individual Plaintiffs Executive Committee appointed by the California Superior Court in the North Bay Fire Cases, Judicial Council Coordination Proceeding Number 4955, Pursuant to the terms of the Court's Case Management Order No. 1	Robins Cloud LLP	Attn: Bill Robins, III, Robert Bryson 650 California Street Site 450 Santa Monica CA 90401	robins@robinscloud.com rbryson@robinscloud.com	Email
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DESCRIPTION	NAME	ADDRESS	EMAIL	METHOD OF SERVICE
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Unsecured Creditor Claim No. 7168	Unsecured Creditor Claim No. 7168	Attn: Robert Miller, Donna Learmont 37241 Sycamore Street Hinkley CA 92347		First Class Mail
Unsecured Creditor Claim No. 7171	Unsecured Creditor Claim No. 7171	Attn: Shirley Holcroft, Sam Cabrera P.O. Box HD Barstow CA 92311		First Class Mail
Unsecured Creditor Claim No. 7175	Unsecured Creditor Claim No. 7175	Attn: Andrea Williams, Dan S. Williams 36796 Hillview Road Hinkley CA 92347		First Class Mail
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DESCRIPTION	NAME	ADDRESS	EMAIL	METHOD OF SERVICE
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Unsecured Creditor Claim No. 7183	Unsecured Creditor Claim No. 7183			First Class Mail
Unsecured Creditor Claim No. 7199	Unsecured Creditor Claim No. 7199			First Class Mail
Unsecured Creditor Claim No. 7200	Unsecured Creditor Claim No. 7200	Attn: Sandra L. Brown P.O. Box 192 Attn: Barbara A. Vinson, Lloyd K. Vinson 3220 Cindy Circle Anderson CA 96007		First Class Mail
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Unsecured Creditor Claim No. 7226	Unsecured Creditor Claim No. 7226	Attn: David Matthiesen, Candace Matthiesen 36709 Hidden River Road Hinkley CA 92347		First Class Mail
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Unsecured Creditor Claim No. 7244	Unsecured Creditor Claim No. 7244	Attn: Aquilla Frederick 20455 Halstead Road Hinkley CA 92347		First Class Mail
Unsecured Creditor Claim No. 7244	Unsecured Creditor Claim No. 7244	Attn: Darlene Herring Jenkins P.O. Box 376 Hinkley CA 92347		First Class Mail
Unsecured Creditor Claim No. 7264	Unsecured Creditor Claim No. 7264	Attn: Marina Riebeling, Adolfo Riebeling 4600 Jerry Ave.		First Class Mail
Unsecured Creditor Claim No. 7301	Unsecured Creditor Claim No. 7301	Baldwin Park CA 91706 Attn: Clell Courtney, Hennie Courtney 25595 Ash Road		First Class Mail
Unsecured Creditor Claim No. 7585	Unsecured Creditor Claim No. 7585	Barstow CA 92311 Attn: Cindy Sue Downing P.O. Box 376		First Class Mail
Unsecured Creditor Claim No. 7591	Unsecured Creditor Claim No. 7591	Hinkley CA 92347		First Class Mail

Exhibit A
 Master Service List
 Served as set forth below

DESCRIPTION	NAME	ADDRESS	EMAIL	METHOD OF SERVICE
Unsecured Creditor Claim No. 7657	Unsecured Creditor Claim No. 7657	Attn: Joel A. Christison P.O. Box 9048 Alta Loma CA 91701 Attn: Nick Panchev 25633 Anderson Avenue Barstow CA 92311		First Class Mail
Unsecured Creditor Claim No. 7704	Unsecured Creditor Claim No. 7704	Attn: Charles Matthiesen, Matsue Matthiesen 36771 Hidden River Rd. Hinkley CA 92347		First Class Mail
Unsecured Creditor Claim No. 8273	Unsecured Creditor Claim No. 8273	Attn: Juliana Martinez, Manuel Martinez 36633 Hidden River Road Hinkley CA 92347		First Class Mail
Unsecured Creditor Claim No. 8274	Unsecured Creditor Claim No. 8274	Attn: Norman Halstead 20455 Halstead Road Hinkley CA 92347		First Class Mail
Unsecured Creditor Claim No. 8274	Unsecured Creditor Claim No. 8274	Attn: Kimberly Blowney 36816 Hillview Road Hinkley CA 92347		First Class Mail
Unsecured Creditor Claim No. 8278	Unsecured Creditor Claim No. 8278	Attn: Saray Ordaz, Victor Suarez 1042 E. Sandison St. Apt. 1 Wilmington CA 90744		First Class Mail
Unsecured Creditor Claim No. 8283	Unsecured Creditor Claim No. 8283	Attn: Yvonne Kirkpatrick, Herbert Nethery 23394 Alcudia Rd. Hinkley CA 92347		First Class Mail
Unsecured Creditor Claim No. Pending	Unsecured Creditor Claim No. Pending	Attn: Jina Choi, Regional Director San Francisco Regional Office 44 Montgomery Street, Suite 2800 San Francisco CA 94104	sanfrancisco@sec.gov	Email
US Securities and Exchange Commission	Us Securities And Exchange Commission	Attn: Office of General Counsel 100 F St. NE MS 6041B Washington DC 20549	secbankruptcy@sec.gov	Email
US Securities and Exchange Commission	Us Securities And Exchange Commission	Attn: Scott H. Olson 275 Battery Street, Suite 2464 San Francisco CA 94111	solson@vedderprice.com	Email
Counsel for Interstate Fire & Casualty Company	Vedder Price Ca LLP	Attn: James M. Wagstaffe & Frank Busch 100 Pine Street Suite 725 San Francisco CA 94111	wagstaffe@wvbrlaw.com busch@wvbrlaw.com	Email
Counsel to Public Employees Retirement Association of New Mexico	Wagstaffe, Von Loewenfeldt, Busch & Radwick, LLP			

Exhibit A
 Master Service List
 Served as set forth below

DESCRIPTION	NAME	ADDRESS	EMAIL	METHOD OF SERVICE
Individual Plaintiffs Executive Committee appointed by the California Superior Court in the North Bay Fire Cases, Judicial Council Coordination Proceeding Number 4955, Pursuant to the terms of the Court's Case Management Order No. 1	Walkup Melodia Kelly & Schoenberger	Attn: Michael A. Kelly, Khaldoun A. Baghdadi, Max Schuver 650 California Street 26th Floor San Francisco CA 94108	mkelly@walkuplawoffice.com kbaghdadi@walkuplawoffice.com mschuver@walkuplawoffice.com	Email
Counsel for Aera Energy LLC, Midway Sunset Congeneration Company	Walter Wilhelm Law Group A Professional Corporation	Attn: Riiley C. Walter, Michael L. Wilhelm 205 E. River Park Circle Suite 410 Fresno CA 93720	rileywalter@W2LG.com Mwilhelm@W2LG.com	Email
Counsel for Engineers and Scientists of California, Local 20, IFPTE, Counsel for SEIU United Service Workers - West	Weinberg Roger & Rosenfeld	Attn: Emily P. Rich 1001 Marina Village Parkway Suite 200 Alameda CA 94501-1091	cgray@unioncounsel.net	Email
Counsel for Sempra Energy, San Diego Gas & Electric Company, and Southern California Gas Company	White & Case LLP	Attn: J.Christopher Shore 1221 Avenue of the Americas New York NY 10020-1095	cshore@whitecase.com	Email
Counsel for Sempra Energy, San Diego Gas & Electric Company, and Southern California Gas Company	White & Case LLP	Attn: Thomas E Lauria, Matthew C. Brown Southeast Financial Center 200 South Biscayne Boulevard, Suite 4900 Miami FL 33131-2352	tlauria@whitecase.com mbrown@whitecase.com	Email
Counsel for Ballard Marine Construction, Inc.	Williams Kastner	Attn: Todd W. Blischke 601 Union Street Suite 4100 Seattle WA 98101-2380		First Class Mail
Counsel to Subrogation Trust Advisory Board	Willkie Farr & Gallagher LLP	Attn: Alexander L. Cheney One Front Street San Francisco CA 94111	acheney@willkie.com	Email
Counsel to Subrogation Trust Advisory Board	Willkie Farr & Gallagher LLP	Attn: Benjamin P. McCallen, Daniel Forman, Charles D. Cording 787 Seventh Avenue New York NY 10019	bmccallen@willkie.com dforman@willkie.com ccording@willkie.com	Email
Counsel for Macquarie Energy LLC	Winston & Strawn LLP	Attn: Michael A. Yuffee 1700 K Street, N.W. Washington DC 20006-3817		First Class Mail

Exhibit A
Master Service List
Served as set forth below

DESCRIPTION	NAME	ADDRESS	EMAIL	METHOD OF SERVICE
Counsel to Subrogation Wildfire Trust	Young Conaway Stargatt & Taylor, LLP	Attn: Edwin J. Harron, Sara Beth A.R. Kohut Rodney Square, 1000 North King Street Wilmington DE 19801	eharron@ycst.com skohut@ycst.com	Email
Counsel to Plaintiffs Santiago Gatto and Anastasia Tkal	Young Ward & Lothert, A Professional Law Corporation	Attn: Scott Ward, Esq. 995 Morning Star Dr., Suite C Sonora CA 95370-5192	info@youngwardlothert.com	Email

Exhibit B

Exhibit B

Fourth Securities Objection Service List
Served as set forth below

MMLID	NAME	ADDRESS1	ADDRESS2	ADDRESS3	ADDRESS4	CITY	STATE	POSTAL CODE	EMAIL
7903536	Aetna Health and Life Insurance Company (Connecticut)	Aetna Life Insurance Company	Attn: Michael Greene RTAA	151 Farmington Avenue		Hartford	CT	06156	GreeneM2@Aetna.com
7903375	Aetna Life Insurance Company (Separate Account 138)	Aetna Life Insurance Company	Attn: Michael Greene RTAA	151 Farmington Avenue		Hartford	CT	06156	GreeneM2@Aetna.com
7855236	ANNIE SONNEBERG & MANFRIED SONNEBERG JT TEN	2621 PALISADE AVE				BRONX	NY	10463-6106	
7907126	CARLSON, DAVID	131 CARLA LN				WEST SENECA	NY	14224	dcarlson14075@yahoo.com
7899947	Charles Schwab TR	FBO Bruce Fraser IRA	9/9/2016	325 Maverick Ct.		Lafayette	CA	94549-1811	bpf42@yahoo.com
7332754	Clayton, Warren T	Zunyi Yang Clayton	1212 Kelley Ct			Pinole	CA	94564-2508	Warrentclayton@yahoo.com
7919527	c/o Law Offices of Susan J. Cofano, Brenda	Cofano	574 Cobble Drive LAW OFFICES OF SUSAN J. COFANO			Montrose	CO	81403	brendacofano@gmail.com
7919527	Cofano, Brenda	Susan J. Cofano, Esq. [SBN 149921]		574 Cobble Drive		Montrose	CO	81403	susan@LOSJC-law.com
7970723	Dalin, Ralph & Hedy	4955 Riding Ridge Rd				San Diego	CA	92130	
7908463	DRRT FBO INTERNATIONALE KAPITALANLAGEGESELLSCHAFT MBH (JOVI)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130	PPMCLAIMS@DRRT.COM
7909053	DRRT FBO INTERNATIONALE KAPITALANLAGEGESELLSCHAFT MBH (LINDI A+R)	340 WEST FLAGLER STREET	SUITE 201			Miami	FL	33130	ppmclaims@drrt.com
7908510	DRRT FBO INTERNATIONALE KAPITALANLAGEGESELLSCHAFT MBH (LINVEST I)	340 West Flagler Street	Suite 201			Miami	FL	33130	ppmclaims@drrt.com
7908447	DRRT FBO INTERNATIONALE KAPITALANLAGEGESELLSCHAFT MBH (PAR)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130	ppmclaims@drrt.com
7899610	DRRT FBO KAISER PERMANENTE	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130	PPMCLAIMS@DRRT.COM
7916348	DRRT FBO MEAG MUNICH ERGO	340 WEST FLAGER STREET	SUITE 201			MIAMI	FL	33130	ppmclaims@drrt.com
7916697	DRRT FBO METZLER ASSET MANAGEMENT GMBH (F27)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130	PPMCLAIMS@DRRT.COM
7916479	DRRT FBO METZLER ASSET MANAGEMENT GMBH (K13)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130	PPMCLAIMS@DRRT.COM
7919441	Elliott Family Trust	Gary Elliott	33462 Palo Alto St.			Dana Point	CA	92629	garyelliott@cox.net
7894485	IRA - Louise S. Rohrkemper	6577 Clear Lake Rd.				Grass Lake	MI	49240	lrohrkemper@gmail.com
7920205	Jean Stacy Benites	2689 Anderson Lane				Sand Springs	OK	74063	
7902252	Joan M. Padia Trust 3/1/2003	120 Colusa Court				San Bruno	CA	94066-2535	padia@att.net
7777411	JOANN O MCCFADEEN TTEE	JOANN O MCCFADEEN TRUST DTD 6/16/96	24310 MOULTON PKWY STE 0-533			LAGUNA HILLS	CA	92637-3306	
7936778	KRITZMAN, ELLEN B.	10710 SW COWAN RD				VASHON	WA	98070	EKRITZMAN@CENTURYTEL.NET
7916844	Laborers' International Union of North America	Kate Lenn, CFO	905 16th Street, NW			Washington	DC	20006	klenn@liuna.org
7916844	Laborers' International Union of North America	Michael Barrett, Assoc General Counsel	905 16th Street, NW			Washington	DC	20006	mbarrett@liuna.org
7982687	Lake Avenue Funding EC XI LLC	231 Sansome Street, 4th Floor				San Francisco	CA	94104	filer@battea.com
7932172	Landmark Life Insurance Co.	Attn: Craig Collier, Treasurer	PO Box 40			Brownwood	TX	76804	ccollier@landmarklife.com
7932172	Landmark Life Insurance Co.	James Craig Collier	5750 County Road 225			Brownwood	TX	76801	ccollier@landmarklife.com
7938012	Lynch, Lynne M.	941 Spring Oak Way				Stockton	CA	93209	plynch941@yahoo.com
7920672	Malzone, Jean	378 Terhune Street				Tearneck	NJ	07666-2415	skipwarner16@gmail.com
7911945	Mass Mutual Premier Balanced Fund	Kizzy L. Jarashow, Esq.	Goodwin Procter LLP	The New York Times Building Investments and Workplace	620 Eighth Avenue	New York	NY	10018	kjarashow@goodwinlaw.com
7911945	Mass Mutual Premier Balanced Fund	Renee Hitchcock	Head of Mutual Fund Administration	Product	100 Bright Meadow Blvd, MIP 381	Enfield	CT	06082	rhitchcock@massmutual.com
7910131	MassMutual Premier Balanced Fund	Goodwin Procter LLP	Kizzy L. Jarashow, Esq.	The New York Times Building	620 Eighth Avenue	New York	NY	10018	kjarashow@goodwinlaw.com

Exhibit B

Fourth Securities Objection Service List
Served as set forth below

MMLID	NAME	ADDRESS1	ADDRESS2	ADDRESS3	ADDRESS4	CITY	STATE	POSTAL CODE	EMAIL
7910131	MassMutual Premier Balanced Fund	Renée Hitchcock	Head of Mutual Fund Administration	Investments and Workplace Product	100 Bright Meadow Blvd., MIP 381	Enfield	CT	06082	rhitchcock@massmutual.com
7912375	MassMutual Premier Diversified Bond Fund	Goodwin Procter LLP	Kizzy L. Jarashow, Esq.	The New York Times Building	620 Eighth Avenue	New York	NY	10018	kjarashow@goodwinlaw.com
7912375	MassMutual Premier Diversified Bond Fund	Renée Hitchcock	Head of Mutual Fund Administration	Investments and Workplace Product MassMutual	100 Bright Meadow Blvd., MIP 381	Enfield	CT	06082	rhitchcock@massmutual.com
7907991	MassMutual Premier Diversified Bond Fund	Renée Hitchcock, Head of Mutual Fund Admin.	Investments and Workplace Product	100 Bright Meadow Blvd., MIP 381		Enfield	CT	06082	rhitchcock@massmutual.com
7910109	Meiser, Donald E	46070 CR 207				Coshocton	OH	43812	
7469883	MELLO , BETTY	5607 STONEHAVEN DR				MARYSVILLE	CA	95901-8324	BFABULOUS10@OUTLOOK.COM
7867817	Mello, Betty Ann	5607 Stonehaven Drive				Marysville	CA	95901	bfabulous10@outlook.com
7341508	Moita, Jeffery Lee	2201 Shoreline Drive, Unit 2936				Alameda	CA	94501	jlmoita@hotmail.com
7932400	Montgomery, Kenneth	Raymond James cust Kenneth Montgomery	1209 W Hunt			McKinney	TX	75069	
7870758	Olson, Lawrence J.	141 11th Street				Seal Beach	CA	90740	larry_olson@verizon.net
7907167	Post, Brian	540 Calkins Rd				Peru	NY	12972	bdp418@hotmail.com
7916239	Principal Life Insurance Company, DBA Principal Largecap Value Separate Account	C/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800	epp.deb@principal.com; sorense.sally@principal.com
7916734	Raymond James CSDN FBO Robert C. Lee	IRA	2065 Thomasville Rd, Ste 201			Tallahassee	FL	32308	
7916734	Raymond James CSDN FBO Robert C. Lee	IRA	Robert C. Lee	3073 White Ibis Way		Tallahassee	FL	32309	
7896564	Roberts, Dana E.	16732 Little Leaf Lane				Edmond	OK	73012	danaroberts1948@aol.com
7835282	Sarpy, Jr., Aaron L.	1042 Helios Ave				Metairie	LA	70005	aaron24@cox.net
7774408	Schueller, Eleanor B	8956 Spring Crest Dr.				Cleveland	OH	44144-1241	eschueller@peoplepc.com
7928848	Spott, Thomas	3601 Arapahoe Ave	Unit D406			Boulder	CO	80303	tom.spott@gmail.com
7937605	Sullivan, Paul D	501 Clark				Florissant	MO	63031	
7937337	Weber, Sherry	3601 Arapahoe Ave	Unit D406			Boulder	CO	80303	tom.spott@gmail.com
7823934	Willnow, Kim	Wade & Kimberly Willnow	P. O. Box 8072			Port Saint Lucie	FL	34985-8072	Willnow@htcplus.net
7860898	Zajdowicz, Michael J	6607 Drexel Avenue				Los Angeles	CA	90048	mjzla@mac.com

Exhibit C

Exhibit C
Fifth Securities Objection Service List
Served as set forth below

MMLID	NAME	ADDRESS1	ADDRESS2	ADDRESS3	ADDRESS4	CITY	STATE	POSTAL CODE	COUNTRY	EMAIL	METHOD OF SERVICE
7915654	ABERDEEN STANDARD INVESTORS, FILING ON BEHALF OF CLIENT	BNP PARIBAS	555 CROTON RD			KING OF PRUSSIA	PA	19406		KOP_AMS_CORP@US.BNPPARIBAS.COM	Email and First Class Mail
7915654	ABERDEEN STANDARD INVESTORS, FILING ON BEHALF OF CLIENT	1735 MARKET STREET	32ND FLOOR			PHILADELPHIA	PA	19103		thomas.kohlenberg@aberdeinstandard.com	Email and First Class Mail
7923316	Air Canada Pension Master Trust Fund	Institutional Protection Services	Third Floor, 1-3 Staple Inn			London		WC1V7QH	United Kingdom	fyousuf@institutionalprotection.com	Email and First Class Mail
7961879	Albritton, Martha M.	110 Golden Bear Cove				Austin	TX	78738		malbritton16@gmail.com	Email and First Class Mail
7898845	Arkansas Teacher Retirement System	Attn: Rod Graves	1400 West Third St			Little Rock	AR	72201		rodg@artrs.gov	Email and First Class Mail
7919505	Arrowstreet Capital	231 Sansome Street, 4th Floor c/o Colleges of Applied Arts and Technology Pension Plan	250 Yonge Street, Suite 2900 P.O. Box 40			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7919505	Arrowstreet Capital	231 Sansome Street, 4th Floor				Toronto	ON	M5B 2L7	Canada		First Class Mail
7972689	C&C Trading, LLC					San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7918042	C&C Trading, LLC	Battea FBO	231 Sansome Street, 4th Floor			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7918042	C&C Trading, LLC	c/o C & C Trading, LLC	71 Arch Street (1st Floor)			Greenwich	CT	06830			First Class Mail
7973245	CAAT Total Bond Consolidation	231 Sansome Street, 4th Floor				San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7911967	CANTERBURY, BETTY JANE	104 SOUTH BROOKS AVE				DELAND	FL	32720			First Class Mail
7906206	City of Palmetto Police Officers' Retirement Plan	c/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road			Radnor	PA	19087		Settlements@ktmc.com	Email and First Class Mail
7906206	City of Palmetto Police Officers' Retirement Plan	Attn: Amber LaRowe, Adminstrator	P.O. Box 1209			Palmetto	FL	34220			First Class Mail
7972200	Collins Alternative Solutions Fund	231 Sansome Street, 4th Floor				San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7930768	Copeland, Bret D.	P.O. Box 7				Saegertown	PA	16433		b1copic@zoominternet.net	Email and First Class Mail
7899056	DAVID W SWIM TTEE	DAVID W SWIM REVOCABLE TRUST	DTD 07/22/2005	110 WASHINGTON AVE APT 2422		MIAMI BEACH	FL	33139-7239		DAVIDWSWIM@GMAIL.COM	Email and First Class Mail
7916689	Delos C. Ransorn Irrevocable Trust	Karen R. Bertram & Anna M. Cashman	Co - TTEES	U/A DTD 08/06/1992	705 2nd Ave. Ste. 800	Seattle	WA	98104		acashman@khbbaw.com	Email and First Class Mail
10413637	Dilip R Kelerar TTEE	7141 SVL Box				Victorville	CA	92395		dKelekar@aol.com	Email and First Class Mail
7950067	DRRT FBO AMPEGA INVESTMENT GMBH (37708)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7949084	DRRT FBO AMPEGA INVESTMENT GMBH (37809)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7916763	DRRT FBO ARCA FONDI SGR S.P.A.	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7918602	DRRT FBO CREDIT SUISSE FUND					MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7918567	DRRT FBO DEKA INVESTMENT GMBH (476)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7907185	DRRT fbo Gerifonds SA	340 West Flagler Street	Suite 201			Miami	FL	33130		ppmclaims@drrt.com	Email and First Class Mail
7905247	DRRT FBO GÉRIFONDS SA	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7913873	DRRT FBO GIAM GENERALI INSURANCE ASSET MANAGEMENT (4356)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7908254	DRRT FBO HELABA INVEST KAPITALANLAGEGESELLSCHAFT MBH (7145)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		ppmclaims@drrt.com	Email and First Class Mail
7910589	DRRT FBO INTERNATIONALE KAPITALANLAGEGESELLSCHAFT MBH (ASF RU)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7917423	DRRT FBO METZLER ASSET MANAGEMENT GMBH (KEY)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7911427	DRRT FBO SWISS REINSURANCE COMPANY LTD(NYSA11)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7911671	DRRT FBO SWISS REINSURANCE COMPANY LTD(NYSA2X)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7912031	DRRT FBO SWISS REINSURANCE COMPANY LTD(ZF1Z09)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7912448	DRRT FBO SWISS REINSURANCE COMPANY LTD(ZF3A1G)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7913620	DRRT FBO UBS FUND MANAGEMENT (SWITZERLAND) AG(CH0805)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7935781	Duval, David	3846 Jaguar Ct.				The Villages	FL	32163		duvals151@gmail.com	Email and First Class Mail
7969454	Edgein, Elaine	933 S Church Street				Louisville	OH	44641-1841		elaineedgein@gmail.com	Email and First Class Mail
7973315	Employees Retirement System of the City of St. Louis	Battea FBO	231 Sansome Street, 4th Floor			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail

Exhibit C
Fifth Securities Objection Service List
Served as set forth below

MMLID	NAME	ADDRESS1	ADDRESS2	ADDRESS3	ADDRESS4	CITY	STATE	POSTAL CODE	COUNTRY	EMAIL	METHOD OF SERVICE
7990310	Family Trust U/A 4th of Gerald M. Lieberman Grat	Morgan Stanley	Jacqueline M. Lukasik	1290 Avenue of the Americas, 12th Floor		New York	NY	10104		jacki.lukasik@morganstanley.com	Email and First Class Mail
7990310	Family Trust U/A 4th of Gerald M. Lieberman Grat	10 Old Woods Drive				Harrison	NY	10528-2420		jerryieberman18@gmail.com	Email and First Class Mail
7868850	Fiegel, Regina L.	7439 Hurstbourne Green Dr				Charlotte	NC	28277		rriegel@carolina.rr.com	Email and First Class Mail
7990529	Fishbach, Raphael	522 5th Ave, 11th Floor				New York	NY	10036		bryanne.halfpenny@ms.com	Email and First Class Mail
7990529	Fishbach, Raphael	5 RED ROOF DRIVE				RYE BROOK	NY	10573-5522		bryanne.halfpenny@ms.com	Email and First Class Mail
10551939	FND of the Methodist Home	304 Pierce Avenue				Macon	GA	31204		caroline@foundationmch.org	Email and First Class Mail
10551939	FND of the Methodist Home	PO Box 2600				Macon	GA	31203			First Class Mail
7976303	Fortney, Walter	9263 Clark Circle				Twinsburg	OH	44087		fortney.kathy@yahoo.com	Email and First Class Mail
7945792	Galbreath, Ashford Allen	6462 Red Oak Drive				Troy	MI	48098		agalbreath8@comcast.net; Agalbreath8@comcast.net	Email and First Class Mail
7937993	Gazee, Elaine M.	109 Johnson Rd.				Greensburg	PA	15601		egaz13@comcast.net	Email and First Class Mail
7883473	Gelfond, Doris	482 Bay Tree Circle				Vernon Hills	IL	60061		dag1225@gmail.com	Email and First Class Mail
7980122	Gerald L. Wilson Inc	8524 Grand Palms Circle				Las Vegas	NV	89131		jerrywilson333@cox.net	Email and First Class Mail
7932875	Gildea, Kathleen	236 S. Highland Rd.				Springfield	PA	19064		Kmgm124@gmail.com	Email and First Class Mail
7910073	Gowdy, Robert	3009 Planters Walk Ct.				Charlotte	NC	28210		rgowdy49@gmail.com	Email and First Class Mail
7898655	Greene, Sandra S.	101 Elmwood Terrace				Greensboro	NC	27408		kmg@crlaw.com	Email and First Class Mail
8008649	Halmos, Peter	10000 Carrington Court				Cumberland	MD	21502			First Class Mail
7931987	Hemingway, Anne M	1409 S Shore Dr				Holland	MI	49423		aheming@comcast.net	Email and First Class Mail
7931918	Henry R. Shapiro IRA, WFCS as Custodian	Henry R. Shapiro	4 Butternut Court			Dix Hills	NY	11746		hrscs@aol.com	Email and First Class Mail
8301080	Herrmann, Dennis Michael	963 Indian Lakes Blvd				Clarksville	OH	45113		sherrmann7@aol.com	Email and First Class Mail
7973133	Hipparchus Master Fund Ltd	Battea Class Action Services	231 Sansome Street, 4th Floor			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7926736	Huckabay, Susan S.	2531 Lake Ridge Shores Cir.				Reno	NV	89519-5728		DAHRNV@AOL.COM	Email and First Class Mail
	Institutional Long Duration Gov/Credit Conservative Bond Fd of the Prudential									pimfi.class.actions@prudential.com;	
7918477	Trust Co. Master Commi	PGIM Inc.	Attn: Denise Taylor	P.O. Box 32339		Newark	NJ	07102		denise.m.taylor@pgim.com	Email and First Class Mail
	Invesco Comstock Fund of AIM Sector		11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com;	
7921863	Funds (Invesco Sector Funds)	Attn: Legal Department								jessica.renfro@invesco.com	Email and First Class Mail
	Invesco Core Plus Fixed Income Trust of Institutional Retirement Trust		Attn: Legal Department (Invesco Core Plus Fixed Income Trust)	11 Greenway Plaza, Suite 1000		Houston	TX	77046		jessica.renfro@invesco.com;	Email and First Class Mail
										hydparalegal@invesco.com;	
7919651	Invesco Grp TST Jennison Int FD	Attn: Legal Department	11 Greenway Plaza, Suite 1000			Houston	TX	77046		jessica.renfro@invesco.com	Email and First Class Mail
7906992	James Hammill & Patricia Hammill	8 Sundance Ridge				Clancy	MT	59684-9509			First Class Mail
7909787	Janet I Hey IRA (WFCS Custodian Traditional IRA)	13425 13th St NW				Spicer	MN	56288		westcentraladvisors@gmail.com	Email and First Class Mail
8308639	Jeffereis, Renan	6409 204th Dr. NE				Redmond	WA	98053		renanj@outlook.com	Email and First Class Mail
7966842	John Eames Family Trust DBA Mitoyu LLC	PO Box 3339				Los Altos	CA	94024		hanshingtiger1@gmail.com	Email and First Class Mail
7910908	Judith Kiger - Merrill Lynch IRA	909 Cambridge Ave				Marion	OH	43302			First Class Mail
11039645	Julia M Morrison Trust	32 Wallinwood Ave NE				Grand Rapids	MI	49503		julia2925@att.net	Email and First Class Mail
	Kapitalforeningen Danske Invest										
7907064	Institutional Afdeling Global Equity Portfolio - Danske Capital	Parallelvej 17				Kongens Lyngby		2800	Denmark	john.ohlsson@danskeinvest.com	Email and First Class Mail
	Kapitalforeningen Danske Invest										
7907064	Institutional Afdeling Global Equity Portfolio - Danske Capital	c/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road			Radnor	PA	19087		settlements@ktmc.com	Email and First Class Mail
7938485	Kenaley, Kevin L.	529 Stenning Drive				Hockessin	DE	19707		KenaleyKL@gmail.com	Email and First Class Mail
7944097	Kenneth & Sharon Jones Rev Lvg Trust	3945 Oakview Dr				Beavercreek	OH	45430		nanirn@gmail.com	Email and First Class Mail
7983614	Kenneth A. Mayer IRA Rollover	40 Carriage House Road				Bernardsville	NJ	07924-1203		ken.mayer@morganstanley.com	Email and First Class Mail
7982699	Lake Avenue Funding EC IV LLC	231 Sansome Street, 4th Floor				San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7982683	Lake Avenue Funding EC V LLC	231 Sansome Street, 4th Floor				San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7982870	Lake Avenue Funding EC VII LLC	231 Sansome Street, 4th Floor				San Francisco	CA	94104		FILER@BATTEA.COM	Email and First Class Mail
7982689	Lake Avenue Funding EC X LLC	231 Sansome Street, 4th Floor				San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7982968	Lake Avenue Funding EC XI LLC	231 Sansome Street, 4th Floor				San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
8301072	Laws, Janet	21 Kealaloa Ave #D				Makawao	HI	96768		southswell@hawaiiantel.net	Email and First Class Mail
7951910	Lederer, Bunny	1530 Palisade Avenue (Apt 4F)				Fort Lee	NJ	07024		bunny.lederer@gmai.com	Email and First Class Mail
7926212	Levine, Jeffrey A	42 Chanticleer Road				Sudbury	MA	01776		jallaw@verizon.net	Email and First Class Mail
7973127	Magnatar Andromeda Select Master Fund Ltd	Battea Class Action Services	231 Sansome Street, 4th Floor			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7972438	Magnatar Capital Master Fund, Ltd	Battea FBO	231 Sansome Street, 4th Floor			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail

Exhibit C
Fifth Securities Objection Service List
Served as set forth below

MMLID	NAME	ADDRESS1	ADDRESS2	ADDRESS3	ADDRESS4	CITY	STATE	POSTAL CODE	COUNTRY	EMAIL	METHOD OF SERVICE
7920847	Magnetar Capital Master Fund, Ltd	c/o Magnetar Capital, LLC	1603 Orrington Avenue	13th Floor		Evanston	IL	60201			First Class Mail
7973137	Magnetar Constellation Fund II, Ltd	Battea Class Action Services	231 Sansome Street, 4th Floor			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7972532	Magnetar Constellation Master Fund, Ltd	231 Sansome Street, 4th Floor				San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7970450	Magnetar SC Fund Ltd	Battea FBO	231 Sansome Street, 4th Floor			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7972339	Magnetar Structured Credit Fund, LP	Battea FBO	231 Sansome Street, 4th Floor			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7970436	Magnetar Xing He Master Fund Ltd	Battea FBO	231 Sansome Street, 4th Floor			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail
7990551	Marks, Bradley	522 5th Ave, 11th Floor				New York	NY	10036		bryanne.halfpenny@ms.com	Email and First Class Mail
7961294	Martin, Mary J	5174 Bostwick Rd				Perrysburg	OH	43551		gypsy62750@gmail.com	Email and First Class Mail
8295459	McCarville, Mark	2219 Central Park Ave				Evanston	IL	60201		m093@aol.com	Email and First Class Mail
7913333	Metz, Michael S	6210 SE 31st Ave				Portland	OR	97202		michaelsmetz@outlook.com	Email and First Class Mail
7972470	Morganfield Family Trust	Mark Morganfield	416 S. Royal St.			Alexandria	VA	22314		MARKMORGANFIELD@GMAIL.COM	Email and First Class Mail
7959780	MSSB C/f Carl Slotnick - IRA Standard	Carl Slotnick	7 Parkway Drive			Roslyn Heights	NY	11577		mslotn6481@aol.com	Email and First Class Mail
7937157	Myers, Rebecca	788 Gasteiger Rd				Meadville	PA	16335			First Class Mail
7916481	Nordea Generationsfond 80-Tal	c/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road			Radnor	PA	19087		Settlements@ktmc.com	Email and First Class Mail
7916481	Nordea Generationsfond 80-Tal	Nordea Funds Ltd	Keskuskatu 3 A, 8 krs.	FI-00020 NORDEA, Helsinki					Finland		First Class Mail
7985506	North Dakota State Investment Board	Financial Recovery Technologies	400 River's Edge Drive	Fourth Floor		Medford	MA	02155		ops@frtfunctions.com	Email and First Class Mail
7991268	Norton Friedman Non-QTip	401 E. Linton Blvd., Apt. 562				Delray Beach	FL	33483-5087		jacki.lukasik@morganstanley.com	Email and First Class Mail
7991268	Norton Friedman Non-QTip	Morgan Stanley	Jacqueline M. Lukasik	1290 Avenue of the Americas, 12th Floor		New York	NY	10104		jacki.lukasik@morganstanley.com	Email and First Class Mail
7937303	Pacifico, Agatha	578 Koeck Drive				Altoona	PA	16601			First Class Mail
9487825	Parisi, Mary Louise	1305 Cleveland Ave				Wyomissing	PA	19610			First Class Mail
7973441	PARTNERRE CO OF THE US - CORE EQUITY	BATTEA FBO	231 SANOME STREET, 4TH FLOOR			SAN FRANCISCO	CA	94104		FILER@BATTEA.COM	Email and First Class Mail
7918067	PineBridge Global Dynamic Asset Allocation Fund- DAA	c/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road			Radnor	PA	19087		Settlements@ktmc.com	Email and First Class Mail
7918067	PineBridge Global Dynamic Asset Allocation Fund- DAA	78 Sir John Rogerson's Quay	Dublin 2			Dublin	Dublin	D02 HD32	Ireland		First Class Mail
8296407	Plutt, Deborah O	8452 Reedy Ridge Lane				Raleigh	NC	27613			First Class Mail
7915225	Principal Funds, Inc. - Global Opportunities Equity Hedged Fund	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorenson.sally@principal.com	Email and First Class Mail
7913533	Principal Funds, Inc. - Global Opportunities Fund	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorenson.sally@principal.com	Email and First Class Mail
7913339	Principal Global Investors Funds - Global Equity (Ex-Japan) Fund	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorenson.sally@principal.com	Email and First Class Mail
7912807	Principal Global Investors Funds - Global Equity Fund	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorenson.sally@principal.com	Email and First Class Mail
7916759	Principal Global Investors Funds - Long/Short Global Opportunities Equity Fund	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorenson.sally@principal.com	Email and First Class Mail
7913359	Principal Global Investors Trust - US High Quality FI Trust	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorenson.sally@principal.com	Email and First Class Mail
7916794	Principal Global Opportunities Equity Fund	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorenson.sally@principal.com	Email and First Class Mail
7915381	Principal Variable Contracts Funds, Inc. - Balanced Account	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorenson.sally@principal.com	Email and First Class Mail
7917136	Prudential Financial Inc. - Hirakata LLC - HIRAKATA	First Data/Remitco	Attention: Audrey Perez	Citibank, Lockbox # 7057	400 White Clay Center Drive	Newark	DE	19711		denise.m.taylor@pgim.com	Email and First Class Mail
7917136	Prudential Financial Inc. - Hirakata LLC - HIRAKATA	PGIM Inc.	Attn: Denise Taylor	P.O. Box 32339		Newark	NJ	07102		pimfi.class.actions@prudential.com	Email and First Class Mail
7983811	RESTO, MARIA V	1916 E JONATHAN ST				ALLENTOWN	PA	18109		MVRESTOS8@GMAIL.COM	Email and First Class Mail
7990459	Robert William Spencer Hudson & Sharon Isaac	2511 Great Oaks Pkwy.				Austin	TX	78756		williamtherel@gmail.com	Email and First Class Mail
7931426	Rose Rockey TTEE Rockey Rev. Trust	348 E. Avenue K8 Suite B				Lancaster	CA	93535		roser@progressioncorp.com	Email and First Class Mail
7978198	Scarneccchia, Susan J	70 Carriage House Ln				Wrentham	MA	02093		susan5083@aol.com	Email and First Class Mail
7937095	Shoup, Barbara J	4322 Kettle Rd				Altoona	PA	16601		bats91@atlanticbb.net	Email and First Class Mail
7970019	SOKOL, BARBARA	2787 38TH AVENUE				SAN FRANCISCO	CA	94116-2859		BSOKY@PACBELL.NET	Email and First Class Mail
7908398	SPP Pension & Forsakring AB	SPP Fonder AB	Vasagatan 10			Stockholm		105 39	Sweden	sam.backoffice@storebrand.no	Email and First Class Mail

Exhibit C
Fifth Securities Objection Service List
Served as set forth below

MMLID	NAME	ADDRESS1	ADDRESS2	ADDRESS3	ADDRESS4	CITY	STATE	POSTAL CODE	COUNTRY	EMAIL	METHOD OF SERVICE
7908398	SPP Pension & Forsakring AB	c/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road			Radnor	PA	19087		Settlements@ktmc.com	Email and First Class Mail
8012293	Steven E Field Trust	5611 Medina Ct SE				Grand Rapids	MI	49546		sfield@inradinc.com	Email and First Class Mail
10446063	Suzanne A. Weaver TTEE	150 New Oak Ridge Trl				Fayetteville	GA	30214			First Class Mail
7990067	Taylor, Ronald S.	21732 43rd Dr SE				Bothell	WA	98021		windjammer_1982@hotmail.com	Email and First Class Mail
	Terry Gene Pendleton Family Trust by										
7909873	Pamela Jean Pendleton Trustee	3 Kelvingate Court				Dallas	TX	75225-1825		pjppendleton@sbcglobal.net	Email and First Class Mail
	The Prudential Insurance Company of America - Hartford Life & Annuity										
7916970	Comfort Trust-HARTANN	PGIM Inc.	Attn: Denise Taylor	P.O. Box 32339		Newark	NJ	07102		pimfi.class.actions@prudential.com; denise.m.taylor@pgim.com	Email and First Class Mail
7923456	The State General Reserve Fund	Institutional Protection Services	Third Floor, 1-3 Staple Inn			London		WC1V 7QH	United Kingdom	fyouusuf@institutionprotection.com	Email and First Class Mail
7897743	Thomas J. Heins + Lisa C. Heins (Joint Acct)	7814 Twin Stream Dr.				Ellisott City	MD	21043		tlheins@comcast.net; lcheins17@gmail.com	Email and First Class Mail
7908187	Wayman, Naomi D	42 W North St.				Smyrna	DE	19977			First Class Mail
	Wells Fargo Bank NA in its capacity as trustee and agent on fiduciary client accounts	Head Of Trust And Fiduciary	Joseph F Ready	Wells Fargo Bank NA	401 S Tryon St, Fl 20	Charlotte	NC	28202-1911		joseph.ready@wellsfargo.com	Email and First Class Mail
7915538	Wells Fargo Bank NA in its capacity as trustee and agent on fiduciary client accounts	Moustafa Shouman	550 South 4th St, 14th Fl 11 Greenway Plaza, Suite 1000			Minneapolis	MN	55415		moustafa.shouman@wellsfargo.com	Email and First Class Mail
7919970	XT USA Fund of Invesco Asset Management LTD	Attn: Legal Department				Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail

Exhibit D

Exhibit D

First Securities Objection Service List
Served as set forth below

MMLID	NAME	ADDRESS1	ADDRESS2	ADDRESS3	ADDRESS4	CITY	STATE	POSTAL CODE	COUNTRY	EMAIL	METHOD OF SERVICE
7904752	Apollo 62	C/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road			Radnor	PA	19087		Settlements@ktmc.com	Email and First Class Mail
7904752	Apollo 62	Security Kapitalanlage AG	Burgring 16			Graz		A-8010	Austria		First Class Mail
7912816	Arizona Sheet Metal Pension Trust Fund	Alan Biller and Associates	Attn: Aileen Burrows	535 Middlefield Road, Ste 230		Menlo Park	CA	94025		aileen@alanbiller.com	Email and First Class Mail
7912816	Arizona Sheet Metal Pension Trust Fund	Attn: Suzanne Michel	2550 W. Union Hills Drive, Suite 290			Phoenix	AZ	85027		SMichel@ssatpa.net	Email and First Class Mail
7902657	System	Attn: Carol Knapp	2404 West Russ Road			Avon Park	FL	33825		carol@cdpensions.com	Email and First Class Mail
7902657	City of Avon Park Firefighters' Retirement	c/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road			Radnor	PA	19087		Settlements@ktmc.com	Email and First Class Mail
7902973	City of Deltona Firefighters' Pension Plan	c/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road			Radnor	PA	19087		Settlements@ktmc.com	Email and First Class Mail
7902973	City of Deltona Firefighters' Pension Plan	c/o Lauterbach & Amen, LLP	668 N. River Road			Naperville	IL	60563			First Class Mail
7906862	City of Titusville General Employees' Pension Plan	c/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road			Radnor	PA	19087		settlements@ktmc.com	Email and First Class Mail
7906862	City of Titusville General Employees' Pension Plan	Attn: Julie Enright	810 N. Carpenter Road			Titusville	FL	32781-2806			First Class Mail
7906747	Delaware National High-Yield Municipal Bond Fund	c/o Peter M. Saparoff, Esq.- Mintz Levin	One Financial Center			Boston	MA	02111		pmsaparoff@mintz.com	Email and First Class Mail
7906724	Delaware Tax Free California Fund	Mintz Levin	c/o Peter M. Saparoff, Esq.	One Financial Center		Boston	MA	02111		pmsaparoff@mintz.com	Email and First Class Mail
7906732	Delaware Tax Free USA Fund	c/o Peter M. Saparoff, Esq. - Mintz Levin	One Financial Center			Boston	MA	02111		pmsaparoff@mintz.com	Email and First Class Mail
7917969	DRRT FBO Deka Investment GMBH (11202)	340 West Flagler Street	Suite 201			Miami	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
7918014	DRRT FBO Deka Investment GMBH (70807)	340 West Flagler Street, Suite 201				Miami	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO HELABA INVEST										
7908115	KAPITALANLAGEGESELLSCHAFT MBH	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		ppmclaims@drrt.com	Email and First Class Mail
7919351	DRRT FBO MULTICONCEPT FUND MANAGEMENT S.A (1891)	DRRT	340 WEST FLAGLER STREET	SUITE 201		MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO SWISS REINSURANCE										
7910843	COMPANY LTD (NYEU11)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO SWISS REINSURANCE										
7911363	COMPANY LTD(NF67L8)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO SWISS REINSURANCE										
7910985	COMPANY LTD(NYEU12)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO SWISS REINSURANCE										
7911078	COMPANY LTD(NYEG5F)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO SWISS REINSURANCE										
7911756	COMPANY LTD(ZF2A9F)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO SWISS REINSURANCE										
7912420	COMPANY LTD(ZF2AA1)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO SWISS REINSURANCE										
7912440	COMPANY LTD(ZF3J05)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO SWISS REINSURANCE										
7912297	COMPANY LTD(ZF67B5)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO SWISS REINSURANCE										
7912488	COMPANY LTD(ZF7028)	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	DRRT FBO SWISS REINSURANCE										
7912557	DRRT FBO WARBURG INVEST AG	340 WEST FLAGLER STREET	SUITE 201			MIAMI	FL	33130		PPMCLAIMS@DRRT.COM	Email and First Class Mail
	Employees' Retirement Plan for Former										
7910888	Ally Business Units	c/o Ally Financial Inc.	Jennifer O'Hagan	1100 Virginia Drive, Suite 150	PO Box 8139	Ft. Washington	PA	19034		jenniger.koehler@ally.com	Email and First Class Mail
7910845	GIC Private Limited	Kirby McInerney LLP	Attn: Elaine Mui	250 Park Avenue	Suite 820	New York	NY	10177		emui@kmllp.com	Email and First Class Mail
7910845	GIC Private Limited	Account B	168 Robinson Road	#37-01 Capital Tower 3300 Two Commerce Square		Singapore		068912	Singapore	grpiodclassactions@gic.com.sg	Email and First Class Mail
	Government Employees' Retirement										
7911041	System of the Virgin Islands	Barrack, Rodos & Bacine	Attn: Leslie Bornstein Molder	2001 Market Street	Philadelphia	PA		19103		lmodler@barrack.com	Email and First Class Mail

Exhibit D
 First Securities Objection Service List
 Served as set forth below

MMLID	NAME	ADDRESS1	ADDRESS2	ADDRESS3	ADDRESS4	CITY	STATE	POSTAL CODE	COUNTRY	EMAIL	METHOD OF SERVICE
7938527	HealthSpring of Tennessee, Inc. OBO HSPTN	Attn: Maria Turner A4ACT	900 Cottage Grove Rd.			Bloomfield	CT	06002		maria.turner@cigna.com	Email and First Class Mail
7902659	Houston Municipal Employees Pension System	Attn: Erin Perales, General Counsel	1201 Louisiana, Suite 900			Houston	TX	77002		emack@hmeps.org	Email and First Class Mail
7902659	Houston Municipal Employees Pension System	C/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road			Radnor	PA	19087		Settlements@ktmc.com	Email and First Class Mail
7919497	IFIT Core Fixed Income Fund of Invesco Fixed Income Trust	Attn: Legal Department	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail
7921200	Invesco Bond Fund (Delaware Statutory Trust)	Attn: Legal Department	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; Jessica.renfro@invesco.com	Email and First Class Mail
7916011	Invesco California Tax-Free Income Fund of AIM Counselor Series Trust (Invesco Counselor Series Trus	Attn: Legal Department	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail
7921473	Invesco Core Plus Bond Fund of AIM Counselor Series Trust (Invesco Counselor Series Trust)	Attn: Legal Department	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail
7921620	Invesco Corporate Bond of AIM Treasurer's Series Trust (Invesco Treasurer's Series Trust)	Attn: Legal Department	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail
7919645	Invesco Intermediate Bond Factor Fund of AIM Investment Securities Funds (Invesco Investment Securit	Attn: Legal Department (Invesco Intermediate Bond Factor Fund)	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail
7919728	Invesco Intermediate Bond Trust of Institutional Retirement Trust	Attn: Legal Department (Invesco Intermediate Bond Trust)	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com	Email and First Class Mail
7921939	Invesco Liqui Assets Portfolio of Short-Term Investments Trust	Attn: Legal Department	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail
7921929	Invesco Municipal Income Fund of AIM Tax-Exempt Funds (Invesco Tax-Exempt Funds)	Attn: Legal Department (Invesco Municipal Income Fund)	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail
7921376	Invesco Municipal Income Opportunities Trust (Delaware Statutory Trust)	Attn: Legal Department	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail
7919523	Invesco Oppenheimer Rochester Limited Term California Municipal Fund of AIM Tax-Exempt Funds (Invesco Premier Portfolio of AIM Treasurer's Series Trust (Invesco Treasurer's Series Trust)	Attn: Legal Department	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail
7921113	Invesco V.I. Core Plus Bond Fund of AIM Variable Insurance Funds (Invesco Variable Insurance Funds)	Attn: Legal Department	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessico.renfro@invesco.com	Email and First Class Mail
7920935	V.I. Core Plus Bond Fund	Attn: Legal Department (Invesco)	11 Greenway Plaza, Suite 1000			Houston	TX	77046		hydparalegal@invesco.com; jessica.renfro@invesco.com	Email and First Class Mail
7916363	Lindenfeld, Etta	24 Windsor Gate Drive c/o Kessler Topaz Meltzer & Check, LLP	280 King of Prussia Road 4th Floor, The Observatory Building			North Hills	NY	11040		etta.lindenfeld@gmail.com	Email and First Class Mail
7918628	PineBridge Strategic Bond Fund Emg					Radnor	PA	19087		settlements@ktmc.com	Email and First Class Mail
7918628	PineBridge Strategic Bond Fund Emg					Dublin 2			Ireland		First Class Mail
7912708	Police & Fire Retirement System of the City of Detroit	David Cetlinski, Executive Director	Ally Detroit Center	500 Woodward Ave., Ste. 3000		Detroit	MI	48226		dctelinski@rscd.org	Email and First Class Mail
7912708	Police & Fire Retirement System of the City of Detroit	Kirby McInerney LLP	Attn: Peter Linden and Elaine Mui	250 Park Avenue, Suite 820		New York	NY	10177		emui@kmlp.com; plinden@kmlp.com	Email and First Class Mail
7912756	Principal Funds, Inc. - Credit Opportunities Explorer Fund	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorensen.sally@principal.com	Email and First Class Mail
7915098	Principal Global Credit Opportunities Fund	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorensen.sally@principal.com	Email and First Class Mail
7915022	Principal Global Investors Collective Investment Trust Global Credit Opportunities Fund	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorensen.sally@principal.com	Email and First Class Mail

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Served as set forth below

MMLID	NAME	ADDRESS1	ADDRESS2	ADDRESS3	ADDRESS4	CITY	STATE	POSTAL CODE	COUNTRY	EMAIL	METHOD OF SERVICE
7913127	Principal Global Investors Trust - US High Quality FI Trust	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorensen.sally@principal.com	Email and First Class Mail
7915438	Principal Global Opportunities Series plc - Principal Corporate Plus Fixed Income Fund	c/o Principal Global Investors, LLC	711 High Street			Des Moines	IA	50392-0800		epp.deb@principal.com; sorensen.sally@principal.com	Email and First Class Mail
7920153	Sanlam Global Bond Fund, c/o Claims Compensation Bureau LLC	Claims Compensation Bureau LLC	1100 East Hector Street	Suite 250		Conshohocken	PA	19428		analyst@claimscompensation.com	Email and First Class Mail
7973113	Spectrum Opportunities Master Fund Ltd	Battea Class Action Services	231 Sansome Street, 4th Floor			San Francisco	CA	94104		filer@battea.com	Email and First Class Mail